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CENTRAL INTELLIGENCE ACENCY

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- 7. On the advice of the supervising experts, it was therefore decided to dispense with the electric furnaces and to replace these with gas-heated furnaces. As the new gas-heated furnaces could operate on high-grade gas only, a gas-generating plant was ordered from the firm of Julius Pintsch, Berlin and Fürstenwalde/Spree. Early in April 1951, this firm installed an automatic (one-man) gas plant with a daily capacity of 5,000 eu.m. The necessary coal supplies for the gas plant came exclusively from the Waldenburg area in Silesia. A gas specialist wit 30 years experience, Bruns, is responsible for the entire gas plant. He is provided with a small laboratory with all necessary pressure and tosting apparatus.
- 8. Plating is done with a gas heated het roller (Warmwalzen) with a temperature between 450 and 520 degrees* under high pressure. (Research to use higher temperature is still in progress). This produces a connection similar to that obtained by welding. The resulting aluminum plating cannot be separated by mechanical pressure.
- 9. Through special contact material, chemical and electrical properties are obtained as desired. The plated material retains the mechanical consistency of the basic material and also the special properties of the plating.
- 10. Flating is done on one or both sides with pure aluminum and with aluminum alloys, depending on subsequent use of material. In almost all cases aluminum with copper content is used in the contact material, but its exact composition is a secret.

Comment:	Probably	centigrade a

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